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CR-141152

SKYLAB

MONTHLY REPORTS #12, 13, 14, 15, 16

A, TITLE: FEASIBILITY OF USING S-191 INFRARED SPECTRA FOR GEOLOGICAL STUDIES FROM SPACE.

B, PRINCIPAL INVESTIGATORS: R. J. P. Lyon: F. R. Honey
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C, PROPOSAL #9641

Contract #NAS 9-13357

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Program information and without liability
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D, TECHNICAL MONITORS:

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E, PERIOD:

July 1, 1974-November 30, 1974

REMOTE SENSING LABORATORY
STANFORD UNIVERSITY
STANFORD, CALIFORNIA
94305

(E75-10088) FEASIBILITY OF USING S-191
INFRARED SPECTRA FOR GEOLOGICAL STUDIES FROM
SPACE Monthly Reports, 1 Jul. - 30 Nov.
1974 (Stanford Univ.) 3 p HC \$3.25 CSCL 086

N75-15106

Unclas
G3/43 00088

F. OVERALL STATUS (Problem areas, significant progress)

Winding down of project waiting for funding extension.

G. DATA RECEIVED TO DATE

Aircraft tapes for Cals, Radiometer, and IR spectrometer received for only main run (NNW-SSE) Yerington-Walker Lake-Garfield Flat. Side run (NNE-SSW) Gabbs Valley-Walker Lake not received at all for any taped data. At this late date, forget it.

H. RECOMMENDATIONS (Decisions/Actions required to ensure attainment of scientific objectives).

Until funding is received it will be impossible to further process the received data. Funding is expected by November retro-active.

I. EXPECTED ACCOMPLISHMENTS FOR THE NEXT PERIOD

Snow has now fallen over most of the test sites, and soil moistures are higher than during the SL-3 overflight. Field work is clearly in jeopardy unless we have an early spring.

J. SIGNIFICANT RESULTS

None as yet.

K. SUMMARY OF FUTURE EFFORT

Correlation studies of spectra from SL-3 for the Nevada targets with known geology of the sites.
Examination of atmospheric perturbation to the observation of spectra of ground targets from spacecraft.

L. TRAVEL SUMMARY AND PLANS

None.

G. DATA RECEIVED TO DATE

| AIRCRAFT RB57 | | | | | | SKYLAB | | | |
|---------------|-------------------|--------------|---------------|------------------------------|------|--------|-------|---|------------------------|
| FILMS | BORESIGHT FILM | DATA LOGS | DATA TAPES | 16mm. C.R.T. PLOTS | | S190A | S190B | S191 DATA TAPES | S191 BORESIGHT FILM |
| SL2 | N.R. | N.R. | N.R. | N.R. | N.R. | R. | N.R. | 7 track (1 set of 2)* | R. |
| SL3 | R. | R. | R. | R. 9 track (Thank You) | N.R. | R. | N.R. | 7 track (3 sets of 2) 2nd generation (2 sets of 2) | R. |

*Received unordered test tape and data tape (S192) from SL2 which we would like to retain for 3 months.

R. = Received

N.R.= Not Received